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RAW SEQUENCE LISTING

DATE: 11/06/2002

PATENT APPLICATION: US/09/733,368A

TIME: 14:12:17

Input Set : A:\394A_US.txt

Output Set: N:\CRF4\11062002\I733368A.raw

3 <110> APPLICANT: ARIAD Gene Therapeutics, Inc.
 5 <120> TITLE OF INVENTION: Methods of High Level Expression of Genes in Primates
 7 <130> FILE REFERENCE: 394A US
 9 <140> CURRENT APPLICATION NUMBER: 09/733,368A
 C--> 10 <141> CURRENT FILING DATE: 2001-02-21
 12 <160> NUMBER OF SEQ ID NOS: 14
 14 <170> SOFTWARE: PatentIn version 3.0
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 648
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: vector-RSV promoter-vector
 24 <220> FEATURE:
 25 <221> NAME/KEY: promoter
 26 <222> LOCATION: (1)..(648)
 27 <223> OTHER INFORMATION: vector/RSV promoter/vector
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 33 gctctgatgc cgcatagtta agccagtatc tgctccctgc ttgtgtgttg gaggtcgctg 120
 35 agtagtgccg gagcaaaatt taagctacaa caaggcaagg cttgaccgac aattgcatga 180
 37 agaacttgct taggggttagg cggttttgcgc tgcttcgcga tgtacgggcc agatattcgc 240
 39 gtatctgagg ggactagggt gtgttttaggc gaaaagcggg gcttcggttg tacgcgggta 300
 41 ggagtgccct caggatatag tagtttcgct tttgcatagg gagggggaaa tgtagtctta 360
 43 tgcaatactc ttgtagtctt gcaacatggt aacgatgagt tagcaacatg ccttacaagg 420
 45 agagaaaaag caccgtgcat gccgattggt ggaagtaagg tggtagcatc gtgccttatt 480
 47 aggaaggcaa cagacgggtc tgacatggat tggacgaacc actaaattcc gcattgcaga 540
 49 gatattgtat ttaagtgcct agctcgatac aataaacgcc atttgaccat tcaccacatt 600
 51 ggtgtgcacc tccaagctgg gtaccagctg ctagcaagct tgagatct 648
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 55 <211> LENGTH: 31
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 57 <213> ORGANISM: Artificial
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 62 <220> FEATURE:
 63 <221> NAME/KEY: misc_feature
 64 <222> LOCATION: (1)..(31)
 65 <223> OTHER INFORMATION: cloning oligo
 68 <400> SEQUENCE: 2
 69 gctagcaagc ttgagatctg ccgctcgagg c 31
 72 <210> SEQ ID NO: 3
 73 <211> LENGTH: 26

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75 <213> ORGANISM: Artificial
77 <220> FEATURE:
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82 <222> LOCATION: (1)..(26)
83 <223> OTHER INFORMATION: cloning oligo
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98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
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101 <223> OTHER INFORMATION: cloning oligo
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128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial
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134 <220> FEATURE:
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136 <222> LOCATION: (1)..(648)
137 <223> OTHER INFORMATION: MluI/RSV promoter/BglI
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145 agtagtgcgc gagcaaaatt taagctacaa caaggcaagg cttgaccgac aattgcatga 180
147 agaatctgct tagggttagg cgttttgccg tgcttcgcga tgtacggggc agatattcgc 240

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149 gtatctgagg ggactagggt gtgttttaggc gaaaagcggg gcttcgggtg tacgcggtta 300
151 ggagtccctt caggatata tagtttcgct ttgcatagg gagggggaaa tgtagtctta 360
153 tgcaatactc ttgtagtctt gcaacatggt aacgatgagt tagcaacatg ccttacaagg 420
155 agagaaaaag caccgtgcat gccgattggt ggaagtaagg tggtagcatc gtgccttatt 480
157 aggaaggcaa cagacgggtc tgacatggat tggacgaacc actaaattcc gcattgcaga 540
159 gatattgtat ttaagtgcct agctcgatac aataaacgcc atttgaccat tcaccacatt 600
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169 <220> FEATURE:
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174 <222> LOCATION: (1)..(53)
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178 <400> SEQUENCE: 7
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183 <211> LENGTH: 53
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187 <220> FEATURE:
188 <223> OTHER INFORMATION: cloning oligo
190 <220> FEATURE:
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192 <222> LOCATION: (1)..(53)
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211 <223> OTHER INFORMATION: cloning oligo
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221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <223> OTHER INFORMATION: cloning oligo

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228 <222> LOCATION: (1)..(41)
229 <223> OTHER INFORMATION: cloning oligo
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237 <211> LENGTH: 31
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239 <213> ORGANISM: Artificial
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246 <222> LOCATION: (1)..(31)
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255 <211> LENGTH: 34
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265 <223> OTHER INFORMATION: cloning oligo
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275 <213> ORGANISM: Artificial
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280 <220> FEATURE:
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282 <222> LOCATION: (1)..(30)
283 <223> OTHER INFORMATION: cloning oligo
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295 <220> FEATURE:
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Input Set : A:\394A_US.txt

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299 <221> NAME/KEY: misc_feature

300 <222> LOCATION: (1)..(35)

301 <223> OTHER INFORMATION: cloning oligo

304 <400> SEQUENCE: 14

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/733,368A

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Input Set : A:\394A_US.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14

VERIFICATION SUMMARY

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Input Set : A:\394A_US.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date